

Jisu Li, M.D., Ph.D.
Associate Professor of Medicine
Department of Medicine
Rhode Island Hospital and Brown Medical School

EDUCATION

M.D. Shanghai Medical School, Shanghai, China, 1983. Medicine
Ph.D. Claud-Bernard University, Lyon, France, 1992, Molecular Virology

POSITIONS

May, 1993 - March, 1999	Research Fellow, Massachusetts General Hospital Cancer Center, Harvard Medical School
March, 1999 - March, 2006	Assistant Professor (Research), Rhode Island Hospital and Brown Medical School
March, 2006 – Present	Associate Professor, Rhode Island Hospital and Brown Medical School

PUBLICATIONS

1. **Li J.S.**, Cova L, Buckland R, Lambert V, Deleage G, Trepo C. 1989. Duck hepatitis B virus can tolerate insertion, deletion, and partial frameshift mutation in the distal pre-S region. *J. Virol.* 63:4965-4968.
2. **Li J.S.**, Tong S.P., Vitvitski L. Zoulim F, Trepo C. 1990. Rapid detection and further characterization of infection with hepatitis B virus variants containing a stop codon in the distal pre-C region. *J. General Virol.* 71:1993-1998.
3. Tong S.P., **Li J.S.**, Vitvitski L., Trepo C. 1990. Active hepatitis B virus replication in the presence of anti-Hbe is associated with viral variants containing an inactive pre-C region. *Virology* 176:596-603.
4. **Li J.S.**, Tong S.P., Vitvitski L., Lepot D., Trepo C. 1991. Evidence of two major genotypes of hepatitis C virus in France and close relatedness of the predominant one with the prototype virus. *J. Hepatol.* 13 Suppl. 4:S33-37.
5. **Li J.S.**, Fourel I, Jacquet C, Trepo C. 1991. Decreased replication capacity of a duck hepatitis B virus mutant with altered distal pre-S region. *Virus Research* 20:11-21.
6. **Li J.S.**, Tong S.P., Vitvitski L., Lepot D., Trepo C. 1991. Two French genotypes of hepatitis C virus: homology of the predominant genotype with the prototype American strain. *Gene* 105:167-172.
7. Tong S.P., Diot C., Gripon P., **Li J.S.**, Vitvitski L., Trepo C., Guguen-Guillouzo C. 1991. In vitro replication competence of a cloned hepatitis B virus variant with a nonsense mutation in the distal pre-C region. *Virology* 181:733-737.
8. Tong S.P., **Li J.S.**, Vitvitski L., Benjelloun S., Trepo C. 1991. Rapid screening for bacterial colonies harbouring tandem hepatitis B virus sequences by an oligonucleotide probe. *J. Virol.Meth.* 32:109-114.

9. Tong S.P., **Li J.S.**, Vitvitski L., Lepot D., Trepo C. 1991. Generation of a 1.5 Kb cDNA fragment of hepatitis C virus genome by overlap extension. *J. Med. Virol.* 35:228-231.
10. Tong S.P., Brotman B., **Li J.S.**, Vitvitski L., Pascal D., Prince A.M., Trepo C. 1991. In vitro and in vivo replication capacity of the precore region defective hepatitis B virus variants. *J. Hepatol.* 13(suppl.) 4:S68-S73.
11. Tong S.P., **Li J.S.**, Vitvitski L., Trepo C. 1992. Replication capacities of natural and artificial precore stop codon mutants of hepatitis B virus: relevance of pregenome encapsidation signal. *Virology* 191:237-245.
12. Fourel I, **Li J.S.**, Hantz O, Jacquet C, Fox J.J, Trepo C. 1992. Effects of 2-fluorinated arabinosyl-pyrimidine nucleosides on duck hepatitis B virus DNA level in serum and liver of chronically infected ducks. *J. Med. Virol.* 37:122-126.
13. Tong S.P., Diot C., Gripon P., **Li J.S.**, Vitvitski L., Trepo C., Guguen-Guillouzo C. 1992. Replication of a molecularly cloned HBeAg negative hepatitis B virus variant in transfected HepG2 cells. *Arch. Virol.* (suppl.) 4:90-94.
14. Laurent F., **Li J.S.**, Vitvitski L., Berby F., Lamelin J.P., Alonso C., Trepo C. 1992. Importance of PCR in the diagnosis of hepatitis C. *Rev. Fr. Transfus. Hemobiol.* 35(3):211-214.
15. Baginski I., Chemin I., Hantz O., Pichoud C., Jullien A.M., Chevre J.C., **Li J.S.**, Vitvitski L., Sninsky J.J., Trepo C. 1992. Transmission of serologically silent hepatitis B virus along with hepatitis C virus in two cases of posttransfusion hepatitis. *Transfusion* 32(3):215-220.
16. Tong S.P., Vitvitski L., **Li J.S.**, Pichoud C., Trepo C. 1992. Lack of pre-C region mutation in woodchuck hepatitis virus from seroconverted woodchucks. *Arch. Virol.* (Suppl.) 4:95-96.
17. **Li J.S.**, Tong S.P., Vitvitski L., Trepo C. 1992. Sequence analysis of PCR amplified hepatitis C virus cDNA from French non-A, non-B hepatitis patients. *Arch. Virol.* (Suppl.) 4:184-185.
18. **Li J.S.**, Vitvitski L., Tong S.P., Trepo C. 1992. PCR detection of HCV RNA among French non-A, non-B hepatitis patients. *Arch. Virol.* (Suppl.) 4:234-237.
19. Zoulim F., **Li J.S.**, Baginski I., Lamelin J.P., Trepo C. 1992. Enzymatic amplification of sequences of viral nucleic acids. A methodological revolution promising new prospects in hepatology. *Gastroenterol. Clin. Biol.* 16(5):443-453.
20. **Li J.S.**, Tong S.P., Wen Y.M., Vitvitski L., Zhang Q., Trepo C. 1993. Hepatitis B virus genotype A rarely circulates as HBe-minu mutant: possible contribution of a single nucleotide in the precore region. *J. Virol.* 67:5402-5410.
21. Tong S.P., **Li J.S.**, Vitvitski L., Kay A., Trepo C. 1993. Evidence for a base-paired region of hepatitis B virus pregenome encapsidation signal which influences the patterns of precore mutations abolishing HBe protein expression. *J. Virol.* 67:5651-5655.
22. Benjelloun S., Tong S.P., **Li J.S.**, Menfalout L., Trepo C., Benslimane A. 1993. Pre-core mutation associated with lack of hepatitis B e antigenaemia. *Research in Virology* 144:159-167.
23. Lefrere J.J., Mariotti M., Trepo C., **Li J.S.**, Lunel F., Frangeul L., Letourneur F., Laporte J.P., Jullien A.M. 1993. Testing for HCV-RNA in commercial intravenous immunoglobulins. *Lancet* 341(8848):834-835.
24. **Li J.S.**, Vitvitski L., Tong S.P., Trepo C. 1994. Identification of the third major genotype of hepatitis C virus in France. *Biochem. Biophys. Res. Commun.* 199:1474-1481.

25. Qu D., **Li J.S.**, Vitvitski L., Mechai S., Berby F., Tong S.P., Bailly F., Wang Q.S., Martin J.L., Trepo C. 1994. Hepatitis C virus genotypes in France: comparison of clinical features of patients infected with HCV type I and type II. *J. Hepatol.* 21(1):70-75.
26. Trepo C., Alonso C., **Li J.S.**, Qu D., Laurent F., Vitvitski L. 1994. Limits of immunoserologic and molecular diagnosis of hepatitis C. *Nucl. Med. Biol.* 21(3):419-431.
27. Qu D., Hantz O., Gouy M., Vitvitski L., **Li J.S.**, Berby F., Tong S.P., Trepo C. 1994. Heterogeneity of hepatitis C genotypes in France. *J. Gen. Virol.* 75:1063-1070.
28. Alonso C., Qu D., Lamelin J.P., de Sanjose S., Vitvitski L., **Li J.S.**, Berby F., Lambert V., Cortey M.L., Trepo C. 1994. Serological responses to different genotypes of hepatitis C virus in France. *J. Clin. Microbiol.* 32(1):211-212.
29. **Li J.S.**, Tong S.P., Vitvitski L., Trepo C. 1995. A single-step nested polymerase chain reaction for efficient detection of different genotypes of hepatitis C virus. *J. Med. Virol.* 45:151-155.
30. Tong S.P., **Li J.S.**, Wands J.R. 1995. Interaction between duck hepatitis B virus and a carboxypeptidase-like protein is mediated through a neutralizing epitope of the pre-S region and occurs during viral infection. *J. Virol.* 69:7106-7112.
31. **Li J.S.**, Vitvitski L., Tong S.P., Mechai S., Berthillon P, Trepo C. 1995. Characterization of the third most common genotype of hepatitis C virus in France. *J. Hepatol.* 22(1 Suppl):74-82.
32. **Li J.S.**, Tong S.P., Wands J.R. 1996. Characterization of a 120-kilodalton liver pre-S binding protein as a candidate duck hepatitis B virus receptor. *J. Virol.* 70:6029-6035.
33. **Li J.S.**, Tong S.P., Wands J.R. 1999. Identification and expression of glycine decarboxylase (p120) as a duck hepatitis B virus pre-S envelope-binding protein. *J. Biol. Chem.* 274:27658-27665.
34. Tong S.P., **Li J.S.**, Wands J.R. 1999. Carboxypeptidase D is an avian hepatitis B virus receptor. *J. Virol.* 73:8696-8702.
35. Spangenberg H.C., Lee H.B., **Li J.S.**, Tan F., Skidgel R., Wands J.R., and Tong S.P. 2001. A short sequence within domain C of duck carboxypeptidase D is critical for duck hepatitis B virus binding and determines host specificity. *J. Virol.* 75:10630-10642.
36. Dumoulin, F.L., von dem Bussche, A., **Li, J.S.**, Khamzina, L., Wands, J.R., Sauerbruch, T., and Spengler, U. 2003. Hepatitis C virus NS2 protein inhibits gene expression from different cellular and viral promoters in hepatic and nonhepatic cell lines. *Virology.* 305:260-266.
37. Parekh, S., Zoulim, F., Ahn, S.H., Tsai, A., **Li, J.S.**, Kawai, S., Khan, N., Trepo, C., Wands, J.R., Tong, S.P. 2003. Genome replication, virion secretion, and e antigen expression of naturally occurring hepatitis B virus core promoter mutants. *J. Virol.* Vol.77:6601-6612.
38. Ahn, S.H., Kramvis, A., Kawai, S., Spangenberg, H., **Li, J.S.**, Kimbi, G., Kew, M., Wands, J., Tong, S.P. 2003. Sequence variation upstream of precore translation initiation codon reduces hepatitis B virus e antigen production. *Gastroenterology* 125: 1370-1378.
39. **Li, J.S.**, Tong, S.P., Lee, H.B., Perdigoto, A. Wand, J. 2004. Glycine decarboxylase mediates a post-binding step in the life cycle of the avian hepatitis B virus. *J. Virol.* Vol.78:1873-1881.
40. Khan, N., Guarnieri, M., Ahn, S.H., **Li, J.S.**, Zhou, Y., Bang, G., Kim, K.H., Wands, J., Tong, S.P. 2004. Modulation of hepatitis B virus secretion by naturally occurring mutations in the S gene. *J. Virol.* Vol.78:3262-3270.

41. Bang, G., Kim, K.K., Guarnieri, M., Zoulim, F., Kawai, S., **Li, J.S.**, Wands, J.R., Tong, S.P. 2005. Effect of mutating the two cysteines required for HBe antigenicity on hepatitis B virus DNA replication and virion secretion. *Virology* 332:216-224.
42. Fukutomi, T., Zhou, Y., Kawai, S., Eguche, H., Wands, J., **Li, J.S.** 2005. Hepatitis C virus core protein stimulates hepatocyte growth: correlation with up-regulation of wnt-1 expression. *Hepatology* 41:1096-1105.
43. Tong, S., Kim, K.K., Chante, C., Wands, J. and **Li, J.S.** 2005. Hepatitis B Virus e antigen variants. *International Journal of Medical Sciences* 2(1):2-7.